	FORE COPYING ENTER:	FORM, ATTACH	SITE IDENTIF	ICATION LABEL		STATED STATES			RONMENTAL ION AGENCY		
SIT	E NAME _	Amana Re	frigerat	ion, Inc.	-	A ANOTECTO			Waste Generation ement Report		
	-	Amana, I	owa 5220)4	-	FORM	1		•		
EP/	A ID NO.	I A D 0 0	0 6 1 0	4 3 6		IC			CATION AND FICATION		
WHC	WHO MUST COMPLETE THIS FORM? Form IC must be completed by every site that received this package.										
		INSTRUC	CTIONS: F	Please read the detaile and Management Rep	d instruc	tions beginning o	n page 8 of the	e 1987 Haza	dous Waste Generation		
			(-	hrough i	V and Sections V	1 through IX		. Complete Section V,		
OLO.		•	•	er from the mailing ac as label; if different, e		•	_	information			
	npany name s label				E	I. EPA ID No. Same as label	·				
or						or —		0101016	110436		
C. Address Same as	s label	me of physical locati		enter industrial park, buildin	g name or	other physical location	description				
	vn, village, etc.		E. County		F	State Same as label	G, Zip Code Same as labe	· K			
	iddle Amai	na	Iowa			or $\longrightarrow \bot A$	Of ———		10141-		
JEU.	Mailing address Mark [X] for A, E		ne as label; if	different, enter correct	tions.	RECEIVE	.D				
	and street name of m	ailing address			-	JUL 8 1					
or	vn, village, etc.				10	OWA SECTI	ON _{o Code}	· · · ·			
•	s label 🕱					Same as label	Same as labe		0.4		
or —	Amai								1014)—[]]		
	Name, title, and		ber of the pers	on who should be co	ntacted i	f questions arise r	egarding this C. Telephone	report.			
A. Flease	office. Last name	· Fi	rst name	M.I.		vironmental		119 6	<u> </u>		
	Raspiller	С	indy	L.	Sp	ecialist	1-2-1		Extension		
SEC.	services rendere	ed at the site's ph	nysical location	. Enter more than one	SIC Cod	le only if no one in	dustry descrip	otion include	ced or distributed, or the s the combined activities nent Report Codebook.		
A.		В.	C.		D.		E.		F		
3	61312	<u> </u>	1								
SEC V.	and that based	on my inquiry of , and complete.	those individu	als immediately respo	onsible f	or obtaining the in	formation, I b	elieve that th	all attached documents, le submitted information ing the possibility of fine		
A. Please (print: Last name	FI	rst name			M.I.	Title				
	eters	Ch	arles			М.			Operations		
B. Signatu					., gg v		Date of signal	061 E	8 ₁ 01 8 ₁ 81 Day Yr.		
_		·						Page	1 of <u>33</u>		

SEC. Does this site's EPA ID authorize hazardous waste generation?	٠
NO —— SKIP TO SECTION VII.	
YES —— Did this site generate any hazardous waste during 1987?	
YES —— READ DETAILED INSTRUCTION ON PAGE 4 OF THE 1987 HAZARDOUS WASTE GENERATION AND MANAGEMENT R INSTRUCTIONS BOOKLET FOR <u>ACUTE</u> AND <u>ACCUMULATION</u> LIMITS. MARK X NEXT TO THE HAZARDOUS GENERATION QUANTITY CATEGORY THAT APPLIED TO THIS SITE DURING 1987.	
Category 1: More than 1000 kg (2,200 lb) in one or more months Category 2: More than 100 kg (220 lb) but no more than 1000 kg (2,200 lb) in any single month Category 3: No more than 100 kg (220 lb) in any single month	
Mark X if this site changed from Category 1 to Category 2 or 3 due to waste minimization activity conducted during or 1987.	j 1986
NO → CONTINUE BELOW, MARK X NEXT TO ALL THAT APPLY.	
Generated, excluded or delisted wastes Generated hazardous waste prior to 1987 but do not expect to generate in the future - MARK X FOR REASON IN ONE BOX I	ELOW
Waste was from one-time event(s) (e.g. spills, remedial actions, etc.) Waste minimization activity undertaken during 1986 or 1987 Out of business	
Generated hazardous waste prior to 1987 and expect to generate in the future	
Never generated before but expect to generate in the future	
Never generated and do not expect to generate in the future - MARK X FOR REASON IN ONE BOX BELOW	
Protective notifier only Misunderstood the requirements	
Notified to secure transportation services	
Other EXPLAIN REASON FOR GENERATOR NOTIFICATION IN COMMENTS	
SEC. Does this site have RCRA Interim Status or a RCRA permit to treat, store, or dispose hazardous waste?	
NO SKIP TO SECTION VIII	
YES — Did the site treat, store, or dispose (T/S/D) hazardous waste in RCRA-regulated units during 1987?	
YES SKIP TO SECTION VIII	
NO —— CONTINUE BELOW, MARK [X] NEXT TO ALL THAT APPLY	
T/S/D excluded waste during 1987	
☐ T/S/D hazardous waste in exempt units during 1987 ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. MARK X IN ONE BOX BELOW ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. MARK X IN ONE BOX BELOW ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. MARK X IN ONE BOX BELOW ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. MARK X IN ONE BOX BELOW ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. ☐ T/S/D waste during 1987 but did not T/S/D waste during 1987 b	
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☐ T/S/D hazardous waste prior to 1987 but did not 1/S/D waste during 1987. MARK ☑ IN ONE BOX BELOW ☐ T/S/D will resume in the future	
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T/S/D will resume in the future Have notified of planned closure Site is in closure or post closure	
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Page 2 of ____33

BEFORE COPYING FORM, ATTACH SITE ID FICATION LABEL OR ENTER:					STATED STATE	8 , T	U.S. ENV		
SITE NAME	ENAME Amana Refrigeration, Inc. Amana, Iowa 52204					7 § , c 196	37 Hazardou		
	Amana, Iow	a 5220)4		AL MOTE		and Mana	gement R	eport
EPA ID NO.	FORM		WASTE GE MAN/	NERATIO					
WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.									
		П	Mark 🛛 if you a	are not required	t to complete F	Form GM.		•	
	INSTRUC'	TIONS:		•	•	ginning on pa	age 12 of the	1987 Haz	ardous Waste
			Generation and	d Management	Report Instruc	tions booklet b form for <u>each</u>	efore completi	ng this form	•
			shipped off site	e during 1987.					
						t this form ente formation requ			quested is not
Sec. A. Waste description Postruction Post									
Liquid	l toxic organ	ic from	urethane	foaming o	lept., to	luene diis	socyanate		
B. EPA hazardous waste of Page 12	ode				State hazardous was Page 13	ite code			
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Sec. A. Organics II Instruction Pag-	B. Water e 14 Page 15	C. Total Page		Suspended Solids Page 15	E. BTU Page 16		F. Toxic I		∟ <u>B</u> j
			15	•			Page Metr	16 Note	Low Test
High L.	Page 15	Page	15	Page 15 High L	Page 16		Page Meta	16 Note	
High L. Low L. Test Note D	Page 15 High L. Low L. Note D	Page High Low Note	- 15 	Page 15 High L	Page 16 High L_ Low L_ UOM L_		Page Metr	16 Note	
High L.	Page 15	Page High Low	15 LJ LD Indes	Page 15 High L	Page 16 High L_ Low L_ UOM L_	J Note [[Radioactive Page 20	Page Meta	16 Note	
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BEFORE COPYING FORM, ATTACH SITE ID FICATION LABEL OR ENTER:					O UNITED STATE			ONMENTAL ON AGENCY		
SITE NAME	SITE NAME Amana Refrigeration, Inc.							ON AGENO		
	Amana, Iowa	52204			WAL MOTE	, 196 		Waste Generatio ement Report	n	
EPA ID NO.		FORM	_		ERATION AND GEMENT					
WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.										
			⊠ if you are n	•	•	form GM.				
1.	INSTRUCTIO)NS: Pleas	e read the d	detailed ins	tructions beg	jinning on pa	nge 12 of the	1987 Hazardous Wa	aste	
		Make	and comple	ete a photoc	•		efore completing hazardous wast	this form. e generated on site	or	
		Comp		s I through IV				mation requested is	not	
		know	n or is not ava	ailable; enter	"NA" if the in	formation requ	ested is not appl	icable.		
Sec. A. Waste descript instruction Page										
	olvent from Pa	int Dept.	Methy	1 Ethyl						
EPA hazardous waste cor Page 12	de			Pa	ite hazardous was ge 13	te code				
(<u>F101015</u>) (<u> </u>		<u> </u>	A	<u> </u>				
D. SIC code Page 13 3		urce code ge 13	ப்ப	F. Wa Pa	ste form code ge 13	<u> Hi 5i 1</u>	G. Waste m Page 13	inimization results		
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Sec. A. Organics II Instruction Page	8. Water 14 Page 15	C. Total Solids Page 15	D. Suspe Page	ended Solids 15	E. BTU Page 16	,	F. Toxic Me Page 18			
				15				Note <u>B</u>	Test	
II Instruction Page High L.	Page 15 High L	Page 15 High L	Page High Low	15 	Page 16 High L	Note 1	Page 16 Metal 1	Note <u>B</u>		
II Instruction Page High L Low L Test Note L G. pH	Page 15 High L	Page 15 High L. Low L. Note L.D. I. Cyanides	Page High Low Note	15 	Page 16 High L	Note [I	Page 16 Metal 1	Note LBJ High Low		
High L. Low L. Test Note ID G. pH Page 18	High L. Note D. H. Fleshpoint Page 18	Page 15 High L Low L Note L.D. I. Cyanides Page 19	Page High Low Note	J. Halogens Page 20	Page 16 High L	Radioactive Page 20	Page 16 Metal 1 2	Note LBJ High Low LJ LJ LJ LJ LJ LJ		
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II Instruction Page High	High Low Low Note D. H. Flashpoint Page 18 High Low F Note LA	Page 15 High L Note L.D. I. Cyanides Page 19 High L Test L B. 1967 quantity	Page High Low Note	J. Halogens Page 20 High L	Page 16 High Low Low Low K	Radioactive Page 20 Yes No Note DI	Page 16 Metal 1 2 3 4 6 E. V	Note IBJ High Low I I I I I I I I I I I I I I I I I I I	Ш Ш	
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BEFORE COPYING FORM, ATTACH SITE ID OR ENTER:		S. Carles and F.	U.S. ENVIRONMENTAL PROTECTION AGENCY		
Amana Refrige Amana, Iowa	52204	ANOTECO .	1987 Hazardous Waste Generation and Management Report		
EPA ID NO.	5, 1, 0, 4, 3, 6	FORM	WASTE GENERATION AND MANAGEMENT		
WHO MUST COMPLETE THIS FOR	RM? Form GM must be comple hazardous waste off site du		erated hazardous waste on site or shipped		
	Mark ⊠ if you are not require	ed to complete Form GM.	·		
INSTRUCTIO		instructions beginning on nt Report Instructions bookl	page 12 of the 1967 Hazardous Waste et before completing this form.		
	shipped off site during 1987	•	ach hazardous waste generated on site or		
	Complete Sections I through known or is not available; er		enter "DK" if the information requested is not equested is not applicable.		
Sec. A. Waste description Instruction Page 12	,				
Spent solvent from ha	and wiping of parts 1	- - Trichloroeth	ane		
B. EPA hazardous waste code Page 12	C.	State hazardous waste code Page 13			
(F101012)					
	urce code je 13 <u>li 0</u> F.	Waste form code Page 13	G. Waste minimization results Page 13 LBI		
Sec. A. Organics B. Water Instruction Page 14 Page 15	C. Total Solids D. Suspended Solids Page 15 Page 15	E. BTU Page 16	F. Toxic Metals Page 16 Note B		
High [∐]	High Lj High Lj	High [Metal High Low Test		
Low [_] Low [6] Test [_] Note [_] Note [_]	Low Low NoteD NoteD	LOW L Note			
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Sec. A. 1986 quantity generated instruction Page 20	B. 1987 quantity generated Page 20	C. UOM D. Density Page 21 Page 21	E. Waste origin Page 21 Code LA		
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F. On-site T/S/D/R code Page 21					
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Sec. A. EPA ID No. of tacility to which waste was shipp IV Instruction Page 22	B. Number of shipments mode Page 22 Page 23	D. Off-site T/S/D/R code Page 23	E. Total Quantity shipped Page 23		
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Comments: Sec. IV Box A conf	tinued on supplemental	page			

BEFORE COPYING FORM, ATTACH SITE ID FICATION LABEL OR ENTER: Amana Refrigeration, Inc.					ST. LANTED STATE			VIRONMENTAL CTION AGENCY	
SITE NAME	Amana Kerri Amana, Iowa				BANK MOTE	₹ 196		ous Waste Generaliagement Report	ation
EPA ID NO.		FORM GM			ENERATION AN	D			
WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.									
			Mark ⊠if you a	are not required	to complete F	orm GM.			
	INSTRUCTIO	ONS:	Please read to Generation and	he detailed in: d Management	structions beg	inning on pa	ge 12 of the	he 1987 Hazardous	Waste
				nplete a photo	•		-	waste generated on	site or
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D. SIC code E. Source code F. Waste form code G. Waste minimization results Page 13 Page 13 Page 13 Page 13									
Sec. A. Organics II Instruction Page	B. Water Page 15	C. Total S		Suspended Solids Page 15	E. BTU Page 16		Pag	ic Metals ge 16 Note	
Sec. A. Organica III Instruction Page	Page 15	Page High	15	Page 15	Page 16		Pag		Took
Sec. A. Organics Instruction Page	9 14 Page 15	Page	15 	Page 15	Page 16	Note L	Pag	ge 16 Note	Test
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BEFORE COPYING FORM, ATTACH SITE ID: OR ENTER:		A CONTROL OF THE CONT	U.S. ENVIRONMENTAL PROTECTION AGENCY						
SME NAME Amana Refrigera Amana, Iowa 5		Mark morecide	1987 Hazardous Waste Generation and Management Report						
EPA ID NO.	10 14 13 16	FORM GM	WASTE GENERATION AND MANAGEMENT						
WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.									
hazardous waste off site during 1987. Mark ⊠ if you are not required to complete Form GM. INSTRUCTIONS: Please read the detailed instructions beginning on page 12 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form. Make and complete a photocopy of this form for each hazardous waste generated on site or shipped off site during 1987. Complete Sections I through IV. Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable.									
Sec. A. Waste description Instruction Page 12									
B. EPA hazardous waste code Page 12	from urethane foami	ng, methylene ch State hazardous waste code Page 13	loride						
D. SIC code Page 13 3 6 3 2 Page 13		Waste form code Page 13	G. Waste minimization results Page 13 LRJ						
Instruction Page 14 Page 15 Pa	" Low L	Page 16 High Low Low Note UOM Note K. Radioactive Page 20 Yes No	S.T.C. U L. T. S.C.D. U L. T. S.C.U. V T.						
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F. On-site T/S/D/R code Page 21 1	4 4 4 4 5 4		7. [] [8 []]						
Sec. IV A. EPA ID No. of facility to which waste was shipped Instruction Page 22 IV 1 I 1D 19 19 10 18 12 19 14 17 15 1	B. Number of shipments Page 22 Page 23	D. Off-elle T/S/D/R code Page 23	E. Total Quentity shipped Page 23						
Comments: Sec. II F.			on supplemental page						

BEFORE COPYING FORM, ATTACH SITE IDITION LABEL. OR ENTER:					UNITED STATES		U.S. ENVIRONMENTAL PROTECTION AGENCY	
SITE NAME	Amana Refrig	erati	on, Inc.			AGEN	THO LOTION AGENOT	
	Amana, Iowa	52204			MAL MOTECT	• 196 	37 Hazardous Waste Generation and Management Report	n
EPAID NO. <u>II AI DI OI OI OI 61 11 014 1316</u>					FORM		WASTE GENERATION AND MANAGEMENT	
WHO MUST C	OMPLETE THIS FO	RM?	Form GM mus			that generate	ed hazardous waste on site or shipp	ped
		П	Mark ⊠ if you a	are not required	to complete Fo	rm GM.		
	INSTRUCTIO	DNS:	Please read th	he detailed in:	structions begin	nning on pa	ge 12 of the 1987 Hazardous Wa	ste
			Make and com	npiete a photo	•		efore completing this form. hazardous waste generated on site	or
			shipped off site Complete Secti	ions I through I	V. Throughout t	this form ente	or "DK" if the information requested is	not
			known or is not	t available; ente	r "NA" if the info	rmation requ	ested is not applicable.	
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BEFORE COPYING FORM, ATTACH SITE OR ENTER:	BEL	O' UNITED STATES			ONMENTAL ON AGENCY					
SITE NAME Amana Refri	geration, Inc	· ·		,40E) K						
Amana, Iowa	52204		BIN MOTERI	7 196 		Waste Generati ement Report	ion			
EPAID NO. LATO 10 10 10 10 10 10 10 10 10 10 10 10 10	5 ₁ 1 ₁ 0 <u>4</u> ₁ 3 ₁ 6]	FORM GM			ERATION AND SEMENT					
WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.										
•	Mark ⊠ if y	you are not require	d to complete Fo	rm GM.						
INSTRUCTION		ad the detailed is	natructions begin	nning on pa	ige 12 of the 1	987 Hazardous V	Vaste			
	Make and		ocopy of this fo		, -	this form. generated on si	ite or			
	Complete	ff site during 1987. Sections I through is not available; ent	IV. Throughout t			mation requested i	is not			
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Sec. A. Waste description Instruction Page 12			·							
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Sec. A. Organics B. Water Page 15	C. Total Solids Page 15	D. Suspended Solids Page 15	E. BTU Page 16		F. Toxic Met Page 16	als Note C				
II Instruction Page 14 Page 15 High L High U	Page 15	Page 15	Page 16		Page 16 Metal	Note C:	Test			
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BEFORE COPYING FORM, ATTACH SITE ID OR ENTER:	FICATION LABEL	SO THE STATES	U.S. ENVIRONMENTAL PROTECTION AGENCY					
SITE NAME Amana Refrigo	eration, Inc.							
Amana, Iowa	52204	THE PROTECTO 15	987 Hazardous Waste Generation and Management Report					
EPA ID NO. LA LE	10436	FORM	WASTE GENERATION AND MANAGEMENT					
WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.								
	Mark ⊠ if you are not requir	ed to complete Form GM.						
INSTRUCTIO	NS: Please read the detailed	instructions beginning on p	page 12 of the 1987 Hazardous Waste					
	_	nt Report Instructions booklet tocopy of this form for <u>eacl</u>	before completing this form. h hazardous waste generated on site or					
	shipped off site during 1987 Complete Sections I through	h IV. Throughout this form en	ter "DK" if the information requested is not					
	known or is not available; er	nter "NA" if the information req	uested is not applicable.					
Sec. A. Waste description Instruction Page 12								
B. EPA hazardous waste code Page 12	C.	State hazardous waste code Page 13						
· · · · · · · · · · · · · · · · · · ·								
	rice code F.	Waste form code Page 13	G. Waste minimization results Page 13					
Sec. A. Organics B. Water Instruction Page 14 Page 15	C. Total Solids D. Suspended Solid Page 15 Page 15	E. BTU Page 16	F. Toxic Metals Page 16 Note					
High [_] High [_]	High []	High L	Metal High Low Test					
Low []	Low L Low L Note 1	Low [] L L						
G. pH H. Flashpoint	I. Cyanides J. Halogens							
Page 18 Page 18	Page 19 Page 20	Page 20						
High [] High [] F Low [] OF	High L High L							
Note	Test Note Note _	Note						
Sec. A. 1986 quantity generated	B. 1967 quantity generated Page 20	C. UOM D. Density Page 21 Page 21	E. Waste origin Page 21 Code					
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F. On-site T/S/D/R code Page 21								
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Sec. IV A. EPA ID No. of facility to which waste was shipp instruction Page 22	B. Number of shipments Page 22 Page 23	D. Off-eite T/S/D/R code Page 23	E. Total Quantity shipped Page 23					
[W, I, D, O, O, O, 8, O, 8, 8, 2	14 0,0,1 H	M 3 1 M 2 0	(0,0,0,0,3,2,5,18,18)					
Comments:		:						
								

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BEFORE COPYING FORM, ATTACH SITE I OR ENTER:	DEFICATION LAB	EL	THEO STATES		S. ENVIRONMENTAL OTECTION AGENCY	٠			
· •	geration, Inc	•							
Amana, Iowa	Amana, Iowa 52204				1987 Hazardous Waste Generation and Management Report				
EPA ID NO.	5 , 1 , 0 , 4 , 3 , 6	FORM GM	WAS	TE GENERATION AND MANAGEMENT)				
WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shi hazardous waste off site during 1987.									
·			to complete Form (GM.	·				
INSTRUCTION	ONS: Please rea	d the detailed in	structions beginning	g on page 12	2 of the 1987 Hazardous	Waste			
	Make and	complete a photo	•		completing this form. dous waste generated on a	site or			
	Complete S		V. Throughout this or "NA" if the informa		if the information requested is not applicable.	l is not			
Sec. A. Waste description									
I Instruction Page 12 Ignitable	offspec pair	nt solids us	sed in the Pa	aint Dept.					
B. EPA hazardous waste code Page 12		C. S	State hazardous waste code						
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	ource code ge 13		F. Waste form code Page 13 G. Waste minimization results Page 13 LB.						
Sec. A. Organics II B. Water Page 15	C. Total Solids Page 15	D. Suspended Solids Page 15	E. BTU Page 16		F. Toxic Metals Page 16 Note LBJ				
II instruction Page 14 Page 15 High High	Page 15	Page 15	Page 16	1-1-1-1		Test			
II Instruction Page 14 Page 15	Page 15	Page 15	Page 16	Note D	Page 16 Note LB Metal High Low	Test			
High	Page 15 High L. Low L. Note L.D.	Page 15 High Li Low Li Note LD1 J. Halogens	Page 16 High LLL Low LLL UOM LL K Radio	Note D	Page 16 Note LB Metal High Low 1. L L L L L 2. L L L L 3. L L L	Test			
High Low	Page 15 High L. Low L. Note LD:	Page 15 High L. Low L. Note LD	Page 16 High L.L. Low L.L. UOM L.L. K. Radio: Page 2	Note D	Page 16 Note LB	Test			
High	Page 15 High Low NoteD I. Cyanides Page 19 High Low	Page 15 High Low Note J. Halogens Page 20 High Low	Page 16 High L.L. Low L.L. UOM L K. Radior Page 3 Yes	Note D	Page 16 Note LB Metal High Low 1. L L L L L 2. L L L L 3. L L L				
High	Page 15 High L. Low L. Note LD: I. Cyanides Page 19 High L. Low L. Test L. Note L.	Page 15 High L. Low L. Note LD J. Halogens Page 20 High L. Low L. AJ Note ID	Page 16 High Low UOM K. Radio: Page : Yes No Note	Note D	Page 16 Note LB Metal High Low 1. 2. 3. 4. 6.	Test			
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BEFORE COPYING OR ENTER:	FORM, ATTACH SITE		ST. THATED STATES	•	.S. ENVIRONMENTAL ROTECTION AGENCY			
SITE NAME	Amana Refri	geration, In	nc.					
	Amana, Iowa	52204	WATEL PROTECTO	,,,,,	lazardous Waste Generation nd Management Report			
EPA ID NO.	[1 ₁ A ₁ D ₁ O ₁ O ₁ O ₁	6	FORM	7	STE GENERATION AND MANAGEMENT			
WHO MUST COMPLETE THIS FORM? Form GM must be completed by every site that generated hazardous waste on site or shipped hazardous waste off site during 1987.								
		Mark ⊠ i	if you are not requ	ired to complete For	m GM.			
	INSTRUCTION					12 of the 1987 Hazardous Waste		
			_	•		e completing this form. ardous waste generated on site or		
		Complet				K" if the information requested is not d is not applicable.		
Sec. A. Waste descrip	tion							
I Instruction Pa	ge 12	offspec liqu	id paint f	rom our Paint	Dept.			
B. EPA hazardous waste co Page 12	ode			C. State hazardous waste of Page 13	code			
D ₁ O ₁ O ₁ I ₁	تا للللا							
D. SIC code Page 13	7 7 7 1	ource code age 13	12121	F. Waste form code Page 13	LELSI L	G. Waste minimization results Page 13		
Sec. A. Organics II Instruction Page	B. Water Page 15	C. Total Solids Page 15	D. Suspended So Page 15	lids E. BTU Page 16		F. Toxic Metals Page 16 Note [C_]		
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Test Note		Note LDJ	Note LDJ	UOM P	Note []	3. NI I L I		
Page 18	H. Flashpoint Page 18	I. Cyanides Page 19	J. Haloge Page 2		ge 20			
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Note LC	Note LBJ		· LAJ Note	<u> </u>	ote []]	«AG U L T		
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					. ibe/gai 🐴 e	T/S/D/R code		
F. On-site T/S/D/R code Page 21								
1-1-1-1	2	41			<u></u>			
Sec. A. EPA ID No. of Instruction Pa	facility to which waste was shi ge 22	pped B. Number shipme Page 22	nte mode	D. Off-site T/S/D/I Page 23		Total Quantity shipped Page 23		
L _i A _i D _i () ₁ 1 ₁ 0 ₁ 3 ₁ 9 ₁ 5 ₁ 1 ₁ :	2171 010	ம் ப	<u>M,5,0</u> ,	M ₁ 7 ₁ 2 ₁	010101010181812121		
Comments: Sec.	. II F 7. Hg	, W, T						

OR ENTER:	BEFORE COPYING FORM, ATTACH SITE IDICATION LABEL				SALED STATES		U.S. ENVIP	RONMENT	
SITE NAME	Amana Refrig	gerati	on, Inc.				PHOLEGI	OH AGEN	01
	Amana, Iowa 52204			What PROTECTO	198	7 Hazardous and Manag			
EPA ID NO.	[I ₁ A ₁ D ₁ O ₁ O ₁ O ₁ O	611101	4 13 16		FORM GM	,	WASTE GEN MANA	ERATION GEMENT	AND
WHO MUST C	OMPLETE THIS FO	RM?	Form GM mus		ted by every site ting 1987.	hat generate	ed hazardous w	raste on site	or shipped
	•	П	Mark ⊠ if you a	are not require	ed to complete For	m GM.			
	INSTRUCTIO	DNS:	Please read ti	he detailed	instructions begin	ning on pa			lous Waste
				•	nt Report Instruction tocopy of this for		•	-	on site or
			shipped off site	•	n IV. Throughout th	nis form ente	r "DK" if the info	mation requ	ested is not
			known or is not	t available; er	nter "NA" if the infor	mation reque	ested is not app	licable.	
Sec. A. Waste descri									
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D 0 0 1		لبلب			N _I A _I I				
D. SIC code Page 13		urce code ge 13		<u>[, O</u> ,	Waste form code Page 13	(Hi 9i 9i	G. Waste n Page 13	ninimization resul)	™ LBi
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Sec. A. Organics II Instruction Pag	B. Water Page 15	C. Total ! Page		Suspended Solids Page 15	E. BTU Page 16		F. Toide M. Page 16	Note L	
II Instruction Pag	pe 14 Page 15	Page High	15	Page 15	Page 16				Low Test
II Instruction Pag	Page 15 High LI Low LI	Page	15	Page 15	Page 16	Note [Page 16 Metal 1 2	Note L	
High Low L	Page 15 High LJ Low LJ Note D	Page High Low Note	15	Page 15 High Low Note J. Halogens	Page 16 High Li Low Li UOM Li K. Ra	dioactive	Page 16 Metal 1 2 3	Note L	
High Low L. Note L	Page 15 High L Low L Note D	Page High Low Note	15	Page 15 High L Low L Note LD	Page 16 High Li Low Li UOM Li K. Ra	dioactive ge 20	Page 16 Metal 1 2 3 4	Note L	
High Low L	Page 15 High L Low L Note D H. Fleshpoint Page 18 High 1715 °F Low L OF	Page High Low Note I. Cyan Page High L	ides	Page 15 High L.J Low L.J Note DJ J. Halogens Page 20 High L Low L	Page 16 High LL Low LL UOM L Ye No	dioactive ge 20	Page 16 Metal 1 2 3 4 5	Note LE High L L L L L L L L L L L L L L L L L L L	
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL. OR ENTER:				SO THE TED STA	The Ed	U.S. ENVIRO		
SITE NAME	Amana Refrigeration, Inc. Amana, Iowa 52204			A MON	2 § 196	87 Hazardous V and Manager	Waste Generation	
EPA ID NO. [I A D 0 0 0 6 1 0 4 3 6]				FORM	_ 1	WASTE GENE MANAG	RATION AND	
WHO MUST CO	OMPLETE THIS I	ORM?	Form GM must			ite that generat	ted hazardous was	ste on site or shipped
			Mark ⊠ if you a	are not require	d to complete	Form GM.		
	INSTRUCT	TIONS:					age 12 of the 19 refore completing t	987 Hazardous Waste this form.
				nplete a pho	tocopy of this		• •	generated on site or
			Complete Sect	tions I through	V. Throughou		er "DK" if the inform ested is not applic	nation requested is not cable.
Sec. A. Waste descrip	ge 12							
		Carbide	Solid, Fl					
B. EPA hazardous waste co Page 12	ode			C.	State hazardous we Page 13	aste code		
[D ₁ O ₁ O ₁ 3]		<u> </u>			NA			
D. SIC code Page 13	3 ₁ 6 ₁ 3 ₁ 2 ₁	Source code Page 13	<u>. 2</u>	21.21 F.	Waste form code Page 13	LN1418		imization results LBJ
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Sec. A. Organics II Instruction Page	B. Water Page 15	C. Total Page		Suspended Solids Page 15	E. BTU Page 16		F. Toxic Meta Page 16	Note B
II Instruction Page	Page 15	Page	15	Page 15	Page 16			
II Instruction Page	Page 15 High	Page	• 15 • • • • • • • • • • • • • • • • • • •	Page 15	Page 16		Page 16 Metal	Note B
II Instruction Page High Low L Test L Note L G. pH	Page 15 High LJ Low LJ Note (D)	Page High Low Note	9 15	Page 15 High LI Low LI Note LD1  J. Halogens	Page 16 High L Low L UOM L	Note [	Page 16  Metal  1. [	Note B
II Instruction Page High Low L. Test Note L	Page 15 High L Low L Note 10	Page High Low Note	• 15 • U • DU	Page 15 High L Low L Note L.D.	Page 16 High L. Low L. UOM L.	] Note [	Page 16  Motal  1. []  2. []  3. []  4. []	Note (B) High Low Test
II Instruction Page High Low L. Test Note L  G. pH Page 18 High L. Low L	High L. Note [D]  H. Flashpoint Page 18  High L. Of Page 18	Page High Low Note L. Cya Pag F High	nides	Page 15 High L Low L Low L D J  J. Halogens Page 20 High L Low L	Page 16 High L Low L UOM L K	Note L	Page 16  Motal  1. []  2. []  3. []  4. []  5. [_]	Note (B) High Low Test
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BEFORE COPYING FORM, ATTACH SITE IDE	CATION LABEL	S. CALLED SAMES	U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE NAME Amana Refrigerat	ion, Inc.	12	
Amana, Iowa 522	04	MAN ANOTECTO	1987 Hazardous Waste Generation and Management Report
EPAID NO. [I_A_D_0_0_0_6_1_0	<u>4 ₁3 ₁6 </u>	FORM GM	WASTE GENERATION AND MANAGEMENT
WHO MUST COMPLETE THIS FORM?	Form GM must be comple hazardous waste off site du		generated hazardous waste on site or shipped
П	Mark ⊠ if you are not requi	red to complete Form G	<b>M</b> .
INSTRUCTIONS:	Please read the detailed Generation and Manageme Make and complete a phi shipped off site during 1987 Complete Sections I throug	instructions beginning out Report instructions botocopy of this form for 7.  The IV. Throughout this for the IV.	on page 12 of the 1987 Hazardous Waste cooklet before completing this form. or each hazardous waste generated on site or commenter "DK" if the information requested is not ion requested is not applicable.
Sec. A. Waste description Instruction Page 12			
	anic waste from u	rethane foaming	dept., Toluene Diisocyante
B. EPA hazardous waste code Page 12	C	5. State hazardous weste code Page 13	
U, 2, 2, 3,	1 11111	N _A	
D. SIC code Page 13 [3 ₁ 6 ₁ 3 ₁ 2] E. Source code Page 13	2, 2, F	Waste form code Page 13	G. Waste minimization results Page 13
High   High   High   High   Low   Low   Low   Low   Note   D	Page 15  High L Low L Note D  Indides Page 20  High L Low L L L L L L L L L L L L L L L L L L L	Page 16 High Limited Low Limit	
III Instruction Page 20 Pag	7 quantity generated e 20 <u>i 0   0   0   0   2   5   4   6  </u>	<u> </u>	E. Weste origin Page 21  Code A  On-site T/S/D/R code
Pege 21	J 4 L.L.J 5 L	٥	
Sec. A. EPA ID No. of facility to which weste was shipped instruction Page 22	B. Number of shipments Page 22 Page 23	D. Off-elle T/S/D/R coor Page 23	Page 23
		HAABE	
Comments:			

BEFORE COPYING FORM, ATTACH SITE IDENTIFOR OR ENTER:  SITE NAME  Amana Refrigerat:  Amana, Iowa 5226	ion, Inc.	ON THE STATE OF TH	U.S. ENVIRONMENTAL PROTECTION AGENCY  1987 Hazardous Waste Generation and Management Report
EPA ID NO.	141316	WR	WASTE RECEIVED FROM OFF SITE
WHO MUST COMPLETE THIS FORM?	Form WR must be complet during 1987.	ted by every site that r	eceived hazardous waste from an off-site source
INSTRUCTIONS:	Generation and Manageme Photocopy and complete hazardous wastes from off	instructions beginning the Report Instructions I additional copies of site during 1987.	VR.  g on page 24 of the 1987 Hazardous Waste booklet before completing this form.  this form if your site received more than two broughout this form enter "DK" if the information
	requested is not known or n	not available; enter "NA	if the information is not applicable.
Waste 1 Description of hazardous waste Instruction Page 24	В.	EPA hazardous waste code Page 24	C. State hazardous waste code Page 25
D. Off-site source EPA ID No. Page 25	E. 1987 Quantity received Page 25	Page 2	G. Density Page 25    Iba/gal
H. Waste form code I. Number of shipments Page 25	J. On-site T/S/D/R code Page 26  1	2 6	] 3 4 ] 7 8
Waste Instruction Page 24	B.	EPA hazardous waste code Page 24	C. State hazardous waste code Page 25
D. Off-site source EPA ID No. Page 25 Same as above   Mark	E. 1987 Quantity received Page 25	F. UOM Page 2	G. Density Page 25
H. Waste form code Page 25 I. Number of shipments Page 25	J. On-site T/S/D/R code Page 28  1 5	2 6	] 3 <u>                                   </u>
Comments:			

BEFORE COPYING FOR ENTER:	ORM, ATTACH SITE IDENTI	FICATION LABEL	SA THE STATES	U.S ENVIRONMENTAL PROTECTION AGENCY
SITE NAME	Amana Refrigerati	ion, Inc.	A PROTECTO	1987 Hazardous Waste Generation
	Amana, Iowa 5220	)4	FORM	and Management Report
EPA ID NO.		,		OFF-SITE IDENTIFICATION
I I	A D O O O 6 1 O	<u>4 3 6</u>		
WHO MUST COMP	PLETE THIS FORM?	Form OI must be completed b received hazardous waste from		ed hazardous waste off site and every site that
	INCTRUCTIONS	Mark X if you are not require	·	
	INSTRUCTIONS:	Generation and Management	structions beginning Report Instructions bo	on page 27 of the 1987 Hazardous Waste ooklet before completing this form.
		Complete A through E for eac received waste during 1987.	h off-site installation to	which you shipped waste or from which you
		Complete A through D for eve		
	200		sted is not applicable.	quested is not known or is not available; enter Make and complete additional copies of this stallations or transporters.
Site A. EPAID No. of off-site	installation or transporter	B. Name of off-site installation or transp	porter	
	0 8 2 9 4 7 5	Page 27 Waste Research	& Reclamation	Co. Inc.
C. Site type code Page 28	D. Site relationship code Page 28	E. Address of off-site installation Page 28	1100100101	301, 200
		Route 7		
K	D	_{City} <u>Eau Claire</u>	State W I	Zip 5 4 7 0 1
Site A. EPA ID No. of off-site Instruction page 27	installation or transporter	Name of off-site installation or transp     Page 27	porter	
D  E  D  9  8	1 1 1 0 1 6 6	Matlack		
C. Site type code Page 28	D. Site relationship code Page 28	E. Address of off-site installation Page 28		
		Street N/A		
<u> </u>	D	City	State	Zip Code
Site A. EPA ID No. of off-site Instruction page 27	installation or transporter	B. Name of off-site installation or transp Page 27	porter	
	0 3 9 5 1   2   7	Rollins Envi	ronmental Ser	vices, Inc. (LA)
C. Site type code Page 28	D. Site relationship code Page 28	E. Address of off-site installation Page 28		
		Street 13351 Scenic	c Highway	
F	D	City Baton Rouge	State L	A] Zip Code [7, 0, 8, 0, 7, —
Site A. EPA ID No. of off-site instruction page 27	installation or transporter	Name of off-site installation or transp Page 27	porter	
MINIDIOIO		Indian Hea	ıd	
C. Site type code Page 28	D. Site relationship code Page 28	E. Address of off-site Installation Page 28		İ
		StreetNA		
T	D	City	State	Zip Code
Comments:				
· · · · · · · · · · · · · · · · · · ·				
5				Ţ
				ļ

BEFORE COPYING FOOR ENTER:	ORM, ATTACH SITE IDENT	IFICATION LABEL		U.S ENVIRONMENTAL PROTECTION AGENCY
SITE NAME A	mana Refrigeratio	on, Inc.		1987 Hazardous Waste Generation
A	mana, Iowa 52204	4	A MOLES	and Management Report
			FORM	OFF-SITE IDENTIFICATION
EPA ID NO.	A D 0 0 0 6 1 0	14 13 16	OI	
WHO MUST COMP	PLETE THIS FORM?	Form OI must be completed b		ped hazardous waste off site and every site that
	INSTRUCTIONS	Mark X if you are not require	•	
	INSTRUCTIONS:	Generation and Management	Report Instructions b	on page 27 of the 1987 Hazardous Waste ooklet before completing this form.
		Complete A through E for eac received waste during 1987.	h off-site installation t	to which you shipped waste or from which you
		Complete A through D for eve	•	
		Throughout this form enter "D "NA" if the information reques form if you need to identify me	sted is not applicable.	equested is not known or is not available; enter  Make and complete additional copies of this petallations or transporters
				nstanations of transporters.
	Installation or transporter	Name of off-site installation or transp Page 27		
W   I   D   O   O   C. Site type code	0  8  0 8 8 2  4	Arganics, I	nc.	
Page 28	Page 28	Page 28 114 N. Main Street	St.	
F	L <b>D</b> J	CHy Cottage Grow	ve State W	I   Zip
Site A. EPA ID No. of off-site 2 Instruction page 27	installation or transporter	B. Name of off-site installation or transp     Page 27	porter	
			· · · · · · · · · · · · · · · · · · ·	
C. Site type code Page 28	D. Site relationship code Page 28	E. Address of off-site installation Page 28		
		Street		7in
		City	State	Zip Code
Site A. EPA ID No. of off-site instruction page 27	installation or transporter	Name of off-site installation or transp Page 27	porter	
C. Site type code	D. Site relationship code	E. Address of off-site installation		
Page 28	Page 28	Page 28		
1 1	1: 1	Street		Zip
		City	State	
Site A. EPA ID No. of off-site Instruction page 27	Installation or transporter	B. Name of off-site installation or transp     Page 27	oorter	
C. Site type code	D. Site relationship code	E. Address of off-site installation		
Page 28	Page 28	Page 28		
LI.	. 🔲	City	State	Zip
Comments:				

BÉFOR OR ENT	E COPYING FORM, ATTACH SITE IDENTIFIER:	ICATION LABEL	S. WITED STATES	U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE NA	ME <u>Amana Refrigerat</u>	ion. Inc.		
	Amana, Iowa 522	204	MAL MOTECIO	1987 Hazardous Waste Generation and Management Report
EPA ID	NO. [I ₁ A ₁ D ₁ O ₁ O ₁ O ₁ 6 ₁ I ₁ O	141316	FORM	WASTE MINIMIZATION
			WM	PART I
WHO	MUST COMPLETE THIS FORM?	be completed by all gene	rators required to file ar to statutory provisions	implement waste minimization programs, must Annual/Biennial Report. This requirement was included in the Hazardous and Solid Waste
		Uniform Hazardous Waste determined economically similar certification must storage, or disposal perm	Manifest, that they have practicable, the volume also be made by generat. Consistent with the	off site are required to certify, on Item 16 of the re a program in place to reduce, to the degree and toxicity of hazardous waste generated. A reators who have obtained a RCRA treatment, ese certification requirements, generators must be implement waste minimization programs.
	INSTRUCTIONS:	Please read the detailed i Management Report Instru	Instructions on page 29 octions booklet before co	of the 1987 Hazardous Waste Generation and mpleting this form.
				orm enter "DK" if the information requested is not ion requested is not applicable.
1.	Did this site create or expand a se			
		1987 Yes No	1986 Yes N	Prior Years O Yes No
	Create		ÌП Г	
	Expand	$\mathbf{x}$	X	
2.	Did this site have a written policy	or statement that outlin	ed goals, objectives	and methods for source reduction and
	recycling of hazardous waste?	1987	1986	Prior Years
	Yes			
	No	X	X	x
3.	What was the dollar amount of ca reduction and recycling of hazard	lous waste? ENTER ZE	RO (0) IF NONE.	nd operating costs devoted to source
	Capital expenditures	1987 \$ <b>-0</b> -	1986 \$_ <b>-0</b> -	Prior Years \$ -0-
	Operating costs	\$ 2000.	\$ 2000.	\$
4.	Did this site have an employee tra to identify and implement source	lining program or provice reduction and recycling	de incentives (bonus popportunities and a	ses, awards, personal recognition, etc.)
		1987 Yes No	1986 Yes No	Prior Years Yes No
	Training	Les INO		
	Incentives			
	111061111462			
				Page <u>199 (</u> of <u>33</u>

<ol> <li>Did this site conduct a source reduction and/or recycling opportunity assess assessment or audit is a procedure that identifies practices that can be imple hazardous waste or the quantity which must subsequently be treated, stored</li> </ol>					mplemen	ted to reduce th	e: an oppo e generati	ortunity on of	
		19	87	198	6	Prior Y	ears		
			Yes	No	Yes	No	Yes	No	
		Site-Wide	П	X		x	П	x	
					జ			_	
		Process-Specific	X		X	لـا		X	
6.		identify or implement ne us waste generated at this		E REDUCTI	ON opportunit	ies to rec	iuce the volume	and/or to	xicity
			19	87	198	6	Prior Y	ears	
			Yes	No	Yes	No	Yes	No	
		Identify						X	
		Implement	X		X	П	·		
			س	٠ ســا			Lad	<u></u>	
7.	What factor TO ALL THA	s have delayed or prever AT APPLY.  Insufficient capital to in- practices.  Lack of technical inform processes.  Source reduction is not	stall new s	cource reduc	ction equipmer	nt or implees, applic	ement new sour	ce reduction	on
		will not recover the cap	ital investr	ment.				p. 0000	
	x d.	Concern that product of				rce reduc	ction.		
	x e.	Technical limitations of	the produ	ction proces	sses.				
	x f.	Permitting burdens.							
	x g.	Other (SPECIFY)Di	sposa1	costs					
8.	Did this site waste gener	identify or implement ne rated at this site or subse Identify Implement	w RECYCI quently tre 199 Yes X	eated, stored	tunities to redu d, or disposed 1986 Yes	of on site	olume and/or too e or off site? Prior Yes Yes X		zardous

9.			have delayed or pre L.THAT APPLY.	vented imp	lementation of	on-site or off-si	te RECYCLING	i opportunities.	MARK 🛛
·   .		a.	Insufficient capital to	install nev	v recycling equ	ipment or imple	ment new recy	cling practices	i.
		b.	Lack of technical inforcesses.	ormation o	n recycling tec	hniques applica	ble to this site	s specific prod	uction
	X	C.	Recycling is not eco will not recover the			savings in waste	management	or production	
•	X	d.	Concern that produc	•	,	a result of recyc	ling.		
		е.	Requirements to ma	nifest wast	es inhibit shipn	nents off site for	recycling.		
		f.	Financial liability pro	visions inh	ibit shipments	off site for recyc	ling.		
		g.	Technical limitations	of produc	t processes inh	nibit shipments o	off site for recy	ding.	
		h.	Technical limitations	of product	tion processes	inhibit on-site re	ecycling.		
		· 1.	Permitting burdens i	nhibit recy	cling.				
		j.	Lack of permitted of	f-site recyc	ling facilities.				
	X	k.	Unable to identify a	market for I	recyclable mat	erials.			
		I.	Other (SPECIFY) _					<u> </u>	
			· · · · · · · · · · · · · · · · · · ·	19 Fechnical	87 Financial	199 Technical	36 Financial	Prior Technical	Years Financial
	a. i	Local go	overnment	П	П	П			
	b. :	State go	overnment	$\mathbf{x}^{\times}$		x			
	c. I	Federal	government	$\mathbf{x}$ $\times$		X			
	d.	Trade a	ssociations						
	e. I	Education	onal institutions						
	f	Supplier	<b>'S</b>	X		x		x	
	g. (	Other pa	arts of your firm						
	h. (	Other fir	ms/consultants	<b>X</b> ×					
	i. I	No requ	est made						
	i. (	Other (c	onferences, literature	<b>), X</b>		$\mathbf{x}$			

BEFORE COPYING FORM, ATTACH STOOR ENTER:  SITE NAME  Amana Refri  Amana, Iowa	geration. Inc.	- Common of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	U.S. ENVIRONI PROTECTION A 987 Hazardous Was	AGENCY te Generation
	01 61 11 01 41 31 6	FORM	WASTE MINIMI PART II	ZATION
WHO MUST COMPLETE THIS!	Waste minimization m (1) reduction in the v reduction; and/or, (2) reduction in the v disposed as a result of  Mark ⊠ and do not con  Please read the deta Generation and Manag  Make and complete a  Complete Sections I th		s waste generated as a waste subsequently (station results were achievage 30 of the 1987 (before completing this for ardous waste minimized for "DK" if the information	a result of source treated, stored, or wed during 1987. Hazardous Waste orm. I in 1987.
	Page 31 Page 31	reentce description Foaming Refrigerators	& Freezers	D. Product or service SIC code Page 31
	Page 32  H. Source de Page 32  Lill • 2 7    be/ X sg	scription: Urethane Foaming		L Source code Page 32
	1987 quantity generated Page 33 [0 ₁ 0 ₁ 0 ₁ 0 ₁ 0 ₁ 0 ₁ 3 ₁ 5 ₁ 4 ₁ 9]	C. Production ratio Page 33	D. Toxicity change code Page 35	3
E. Waste minimization: recycling Page 35  Code Qua	antity recycled	F. Waste minimization: source reduction Page 36 Code 1. 4 2. 2 3. 5	Quantity prevented	161310

Sec. IV.			IONS: Answer questions 1 through 4. Mark 🗵 next to the effects produced by the source reduction and/or recycling activity in this form in Sections I through III.
1.			did this site's source reduction and/or recycling activity have on the quantity of water effluent y hazardous waste generation processes during 1987?
		a.	Increase in the quantity of water effluent
	$\overline{\Box}$	b.	Decrease in the quantity of water effluent
	$\overline{\mathbf{x}}$	C.	No effect on the quantity of water effluent
	Ō	d.	Don't know
2.			did this site's source reduction and/or recycling activity have on the toxicity of water effluent produced us waste generation processes during 1987?
		a.	Increase in the concentration of hazardous constituents
		b.	Decrease in the concentration of hazardous constituents
	X	C.	No effect on the concentration of hazardous constituents
		d.	Don't know
3.			did this site's source reduction and/or recycling activity have on the <b>quantity of air emissions</b> y hazardous waste generation processes during 1987?
		a.	Increase in the quantity of air emissions
		b.	Decrease in the quantity of air emissions
		C.	No effect on the quantity of air emissions
	X	d.	Don't know
4.			did this site's source reduction and/or recycling activity have on the <b>toxicity</b> of the <b>air emissions</b> y hazardous waste generation processes during 1987?
		a.	Increase in the concentration of hazardous constituents
		b.	Decrease in the concentration of hazardous constituents
		C.	No effect on the concentration of hazardous constituents
	X	d.	Don't know
C	omment	s:	
			en en la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la co

Page <u>2/3</u>2 of 33

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION OR ENTER:  SITE NAME  Amana Refrigeration  Amana, Iowa 52204  EPAID NO.  I A D 0 0 0 1 6 1 1 0 4	41316	U.S. ENVIRON PROTECTION  1987 Hazardous Wa and Manageme  DRM WASTE MINIM	AGENCY ste Generation ont Report
	*   W	PART	
	waste minimization.  Waste minimization means: (1) reduction in the volume and/or to reduction; and/or, (2) reduction in the volume and/or to; disposed as a result of on-site or off-site  Mark   Mark   Mand do not complete this form in	addity of hazardous waste generated as addity of hazardous waste subsequently recycling.  If no waste minimization results were achieved.	a result of source treated, stored, or leved during 1987.
	Generation and Management Report in Make and complete a photocopy of this Complete Sections I through IV. Through	beginning on page 30 of the 1987 structions booklet before completing this form for <u>each</u> hazardous waste minimize thout this form enter "DK" if the information requested is not applicable	form.  ed in 1987.  on requested is not
Sec. A. EPA hezardous waste code instruction Page 31  U 2 2 3 N A INA INA INA	Page 31 Spill clear	n up from foaming ors & freezers	D. Product or service SIC code Page 31
E. Waste form code Page 31  F. UOM Page 32  Page 32  Page 32    H   9   9		n up & maintanence of from urathane foaming	I. Source code Page 32
Sec. A 1988 quantity generated Page 33 B. 1987 quantity generated Page 33 B. 1987 quantity generated Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 Page 33 P	C. Production ratio Page 33  01 01 21 51 41 6	D. Toticity change cod Page 35	• [0]
E. Waste minimization: recycling Page 35  Code Quantity recycled  1. 0 2	F. Waste minimization Page 38 Code  1. 1 2.	Ouantity prevented  0 0 0 0 0 0 0	0,2,8,1
Sec. A Nerrative description of waste minimization project or activities instruction Page 43  With better hou			general (in a state district of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of
		<b>∳ Pa</b> g	e <u>243 of 33</u>

WATORY BY

Sec. IV.			IONS: Answer questions 1 through 4. Mark 🗵 next to the effects produced by the source reduction and/or recycling activity in this form in Sections I through III.
1.			did this site's source reduction and/or recycling activity have on the quantity of water effluent y hazardous waste generation processes during 1987?
		a.	Increase in the quantity of water effluent
		b.	Decrease in the quantity of water effluent
	X	C.	No effect on the quantity of water effluent
		d.	Don't know
2.			did this site's source reduction and/or recycling activity have on the toxicity of water effluent produced us waste generation processes during 1987?
		a.	Increase in the concentration of hazardous constituents
		b.	Decrease in the concentration of hazardous constituents
	X	C.	No effect on the concentration of hazardous constituents
ar i jiri		d.	Don't know
3.			did this site's source reduction and/or recycling activity have on the quantity of air emissions y hazardous waste generation processes during 1987?
		a.	Increase in the quantity of air emissions
		b.	Decrease in the quantity of air emissions
		C.	No effect on the quantity of air emissions
	X	d.	Don't know
4.			did this site's source reduction and/or recycling activity have on the <b>toxicity</b> of the <b>air emissions</b> y hazardous waste generation processes during 1987?
		a.	Increase in the concentration of hazardous constituents
		b.	Decrease in the concentration of hazardous constituents
		C.	No effect on the concentration of hazardous constituents
	X	d.	Don't know
C	omments	s:	

Page <u>254</u> of 33

BEFORE COPYING OR ENTER:	•			EL.			U.S. ENVIRONI PROTECTION /			
SITE NAME		frigeratio owa 52204			No. market	1987 Hazardous Waste Generation and Management Report				
EPA ID NO.	I A D O	4 13 16		FORM		WASTE MINIM	ZATION			
					44 141		PART I			
WHO MUST CO	MPLETE TH	IS FORM?	Form WM I	Part II must be ( waste minimiza	completed only by gene ation.	rators that e	ongaged in an activi	ly during 1987 that		
		Waste minimization means: (1) reduction in the volume and/or toxicity of hazardous waste generated as a result of source reduction; and/or, (2) reduction in the volume and/or toxicity of hazardous waste subsequently treated, stored, or disposed as a result of on-site or off-site recycling.								
		П	Mark 🖾 and	do not compl	ete this form if <u>no</u> waste	minimizatio	n results were achie	eved during 1987.		
	INSTRU	JCTIONS:	Please rea Generation	d the detailed and Managem	I instructions beginning ent Report Instructions I	g on page booklet befo	30 of the 1987 are completing this 1	Hazardous Waste orm.		
,			Make and o	complete a pho	tocopy of this form for g	<u>ach</u> hazardo	ous waste minimize	d in 1967.		
	: ·				gh IV. Throughout this tenter "NA" if the informs					
Sec. A. EPA hezerdou instruction Pa		B. State hazardous Page 31	waste code	C. Product or serv Page 31	ice description			D. Product or service SIC code P Page 31		
	F_O_O_5 N_A_   N_A_   N_A_			Painting Microwave Ovens  [3 ₁ 6 ₁ 3 ₁ 2						
E. Waste form code Page 31	F. UOM Page 32	G. Density Page 32		H. Source descript Page 32	tion:			I. Source code Page 32		
H ₁ 5 ₁ 1				Painting Doors of Microwave Ovens						
Sec. A. 1986 quantity		B. 1987 quantity	generated		oduction ratio		D. Toxicity change code			
	Page 33  0 0 0 0 0 0 0 0 4 1 1 2 5 0 0 0 0 1			Page 33 Page 35				ها		
E. Waste minimization: rec Page 35	rcling			F.	Waste minimization; source re-	duction				
Code		Quantity recycled	Page 36 Code Quantity prevented							
1. 4	2. [_]	0.0.0.0.	0.1.6.5	ഥ	1. 7 2. 3.		0, 0, 0, 0, 0, 0	0171413		
	iption of waste minim	ization project or act	Mity and results	achieved						
III Instruction Pa	We in	stalled a tock & the	new pair n discor	nt stripp ntinued t	ing unit that u	uses a n e paints	on-hazardous in 1987.	· S .		

Sec. is 1 through 4. Mark II next to the effects produce the source reduction and/or recycling activity instructions: Answer quell IV. reported on this form in Sections I through III. 1. What effect did this site's source reduction and/or recycling activity have on the quantity of water effluent produced by hazardous waste generation processes during 1987? a. Increase in the quantity of water effluent Decrease in the quantity of water effluent b. No effect on the quantity of water effluent X C. d. Don't know What effect did this site's source reduction and/or recycling activity have on the toxicity of water effluent produced 2. by hazardous waste generation processes during 1987? Increase in the concentration of hazardous constituents Decrease in the concentration of hazardous constituents b. No effect on the concentration of hazardous constituents C. X Don't know 3. What effect did this site's source reduction and/or recycling activity have on the quantity of air emissions produced by hazardous waste generation processes during 1987? Increase in the quantity of air emissions b. Decrease in the quantity of air emissions No effect on the quantity of air emissions C. X d. Don't know What effect did this site's source reduction and/or recycling activity have on the toxicity of the air emissions 4. produced by hazardous waste generation processes during 1987? Increase in the concentration of hazardous constituents Decrease in the concentration of hazardous constituents b. No effect on the concentration of hazardous constituents C. X Don't know Comments:

BEFORE COPYING OR ENTER: SITE NAME	•	H STE DENTA				U.S. ENVIRONI PROTECTION				
		Lowa 52204	,		- In more	1987	Hazardous Was and Manageme			
EPA ID NO.	EPA ID NO. [1 A D 0 0 0 0 6 1 1 0				FORM		WASTE MINIM	IZATION		
					AA IAI		PART I	1 -		
WHO MUST CO	MPLETE TI	HIS FORM?	Form WM I		be completed only by ger mization.	nerators that	engaged in an activi	ity during 1987 that		
			Waste minimization means:  (1) reduction in the volume and/or toxicity of hazardous waste generated as a result of source reduction; and/or,  (2) reduction in the volume and/or toxicity of hazardous waste subsequently treated, stored, or disposed as a result of on-site or off-site recycling.							
		П	Mark Mano	ri do not co	mplete this form if <u>no</u> was	te minimizati	on results were echic	eved during 1987		
	INSTR	UCTIONS:			<u> </u>					
				Please read the detailed instructions beginning on page 30 of the 1987 Hazardous Waste Generation and Management Report Instructions booklet before completing this form.						
			Make and complete a photocopy of this form for <u>each</u> hazardous waste minimized in 1987.							
					nrough IV. Throughout this ble; enter "NA" if the inform					
Sec. A. EPA hazardous waste code Instruction Page 31 B. State hazardous Page 31 Page 31 N.A.			Page 31  Foaming Refrigerators & Freezers &					1		
				Page 31 Foar	ming Refrigerato			Page 31		
I Instruction Page	pe 31	Page 31 °		Page 31 Foar	ming Refrigerato			SIC code •		
F ₁ O ₁ O ₁ 2	• 31    N A	Page 31 °		Page 31 Foar	ming Refrigerato			SIC code Page 31		
F ₁ O ₁ O ₁ 2 N ₁ A ₁	INIAL INIAL F. UOM	Page 31 4 L N A		Page 31 Foat pair H. Source de Page 32 Spe	ming Refrigerato	ave oven	s e foaming	88C code Page 31  31 61 31 2		
F ₁ O ₁ O ₁ 2 N ₁ A ₁   E. Waste form code Page 31	F. UOM Page 32 P	Page 31 °	N ₁ A	Page 31 Foat pai  H. Source de Page 32 Spe & C	ming Refrigeratorinting of microwant microwant solvent from lean up of paint conceptions.	ave oven	e foaming pment  D. Toxicity change code	SSC code Page 31  31 61 31 2  L Source code Page 32  11 0		
F ₁ O ₁ O ₁ 2  N ₁ A ₁    E. Waste form code Page 31  H ₁ 6 ₁ 1  Sec. A 1986 quantity	F. UOM Page 32 P	G. Density Page 32	N ₁ A	Page 31 Foa: pai  H. Source de Page 32 Spe & C	ming Refrigeratorinting of microwal membranes ant solvent from lean up of paint	urethane	e foaming pment  D. Toxicity change code Page 35	SSC code Page 31  31 61 31 2  L Source code Page 32  11 0		
F ₁ O ₁ O ₁ 2  N ₁ A ₁    E. Waste form code Page 31  H ₁ 6 ₁ 1  Sec. A 1986 quantity instruction Page	F. UOM Page 32 P penerated ie 33 P 2 2 5 5 0	G. Density Page 32	N ₁ A sg	Page 31 Foa: pai  H. Source de Page 32 Spe & C	ming Refrigeratorinting of microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal mic	urethane	e foaming pment  D. Toxicity change code Page 35	88C code Page 31 31 61 31 2 L Source code Page 32		
E. Waste minimization: recy Page 35  Code	F. UOM Page 32 P penerated ie 33 P 2 2 5 5 0	G. Density Page 32	N ₁ A sg generated 0 10 19 3	Page 31 Foar pai  H. Source de Page 32 Spe & C	ming Refrigeratorinting of microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal mic	urethane	e foaming pment  D. Toxicity change code Page 35	88C code Page 31  31 61 31 2  L Source code Page 32  11 0		
E. Waste form code Page 31  H ₁ 6 ₁ 1  Sec. A 1986 quantity: Instruction Page 35  Code 1. 4	F. UOM Page 32  P  penerated e 33  2 2 5 5 0  cling  ption of westerminine 43  Insta	Page 31  IN IA  IN IA  G. Density Page 32  Ibe/ B. 1987 quantity Page 33  O101010  Cuantity recycled O0010101	N ₁ A  generated  0 ₁ 0 ₁ 9 ₁ 3  0 ₁ 9 ₁ 3 ₁ 5  May and results a paint	Page 31 Foat pair H. Source de Page 32 Spe & C	ming Refrigeratorinting of microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal microwal mic	urethane ing equi	E foaming  pment  D. Toxicity change code Page 35  Quantity prevented  0, 0, 0, 0, 0, 0	SIC code Page 31  31 61 31 2  L Source code Page 32  11 0		

s 1 through 4. Mark 🗵 next to the effects produced y the source reduction and/or recycling activity Instructions: Answer quell reported on this form in Sections I through III. What effect did this site's source reduction and/or recycling activity have on the quantity of water effluent produced by hazardous waste generation processes during 1987? increase in the quantity of water effluent Decrease in the quantity of water effluent No effect on the quantity of water effluent Don't know What effect did this site's source reduction and/or recycling activity have on the toxicity of water effluent produced by hazardous waste generation processes during 1987? increase in the concentration of hazardous constituents Decrease in the concentration of hazardous constituents b. No effect on the concentration of hazardous constituents Don't know What effect did this site's source reduction and/or recycling activity have on the quantity of air emissions produced by hazardous waste generation processes during 1987? Increase in the quantity of air emissions b. Decrease in the quantity of air emissions No effect on the quantity of air emissions Don't know What effect did this site's source reduction and/or recycling activity have on the toxicity of the air emissions produced by hazardous waste generation processes during 1987? Increase in the concentration of hazardous constituents

Decrease in the concentration of hazardous constituents

No effect on the concentration of hazardous constituents

Comments:

b.

C.

Don't know

 $\overline{\mathbf{x}}$ 

Sec.

· IV.

1.

2.

3.

4.

BEFORE COPYING OR ENTER:	FORM, ATTACH	SITE IDENTIFI	CATION LA			U.S. ENVIRONI PROTECTION			
SITE NAME	SITE NAME Amana Refrigeration. Inc.								
·	Amana, Iowa 52204						1987	' Hazardous Was and Manageme	
EPA ID NO. II AI DI OI OI OI 61 110141316						FORM WM		WASTE MINIM	-
								PART I	
WHO MUST CO	MPLETE TH	IS FORM?	Form WM resulted in		mpleted only by gener on.	rators that	engaged in an activi	ty during 1987 that	
		Waste minimization means: (1) reduction in the volume and/or toxicity of hazardous waste generated as a result of source reduction; and/or, (2) reduction in the volume and/or toxicity of hazardous waste subsequently treated, stored, or disposed as a result of on-site or off-site recycling.							
		П	Mark 53 an	nd do not o	omplete	this form if <u>no</u> waste :	minimizatio	on results were achie	eved during 1987.
·	INSTR	<b>ЈСТІОНЅ</b> :	Please rea	ad the de	tailed i	nstructions beginning t Report Instructions b	on page	30 of the 1987	Hazardous Waste
			Make and	complete a	ı photo	copy of this form for <u>ea</u>	ach hazard	ous waste minimize	d in 1967.
	٠		Complete	Sections I	through	IV. Throughout this fi ter "NA" if the informat	om enter '	"DK" if the information	on requested is not
Sec. A. EPA hezardous instruction Page		B. State hazardous Page 31	waste code  C. Product or service description Page 31  D. Product or service SIC code + Page 31						
F ₁ O ₁ O ₁ 5   N		N ₁ A ₁		Painting Refrigerators & Freezers  [3 ₁ 6 ₁ 3 ₁ 2]					
E. Waste form code Page 31	F. UOM Page 32	G. Density Page 32		H. Source d Page 32		ı:			i. Source code Page 32
H ₁ 8 ₁ 2	P	lbs/	N¡A =9		Mai	daintenance & cleanup of painting 10			
Sec. A. 1986 quantity g		B. 1987 quantity	generated			uction ratio		D. Toxicity change code	
0 ₁ 0 ₁ 0 ₁ 1 ₁ 2		Page 33	1,2,2,9	215	Page	∞ 1].[2_0]		Page 35	 <u>o</u> l
E. Waste minimization: recyc	ding	<u> </u>			F. Wa	ste minimization; source red	luction		
Page 35 Code		Quantity recycled				ge 36 ode .		Quantity prevented	
1. 4 2 0, 0, 0, 1, 2, 2, 9, 2, 5 1. 1 2 2 3. 0, 0, 0, 10, 10, 12, 16, 15, 16, 15							5151615		
Sec. A. Narrative descrip	otion of waste minim	ization project or act	tivity and results	achieved					
		lled new m	more eff	icient	pair	nting equipmen	t		
					-				
									·
			······			-		Page	389 0133

Sec. hs 1 through 4. Mark 🖾 next to the effects produce Instructions: Answer quel by the source reduction and/or recycling activity IV. reported on this form in Sections I through M. What effect did this site's source reduction and/or recycling activity have on the quantity of water effluent 1. produced by hazardous waste generation processes during 1987? Increase in the quantity of water effluent 8. Decrease in the quantity of water effluent b. No effect on the quantity of water effluent C. d. Don't know 2. What effect did this site's source reduction and/or recycling activity have on the toxicity of water effluent produced by hazardous waste generation processes during 1987? Increase in the concentration of hazardous constituents Decrease in the concentration of hazardous constituents b. No effect on the concentration of hazardous constituents C. Don't know đ. 3. What effect did this site's source reduction and/or recycling activity have on the quantity of air emissions produced by hazardous waste generation processes during 1987? Increase in the quantity of air emissions b. Decrease in the quantity of air emissions C. No effect on the quantity of air emissions Don't know 4. What effect did this site's source reduction and/or recycling activity have on the toxicity of the air emissions produced by hazardous waste generation processes during 1987? Increase in the concentration of hazardous constituents Decrease in the concentration of hazardous constituents b. No effect on the concentration of hazardous constituents C. Don't know Comments:

Page 31 10 of 33

BEFORE COPYING OR ENTER: SITE NAME	CATION LAB			U.S. ENVIRON PROTECTION	AGENCY				
Amana, Iowa 52204						AND MAKE THE	1987	' Hazardous Wa: and Manageme	
EPAID NO. [1, A, D, 0, 0, 0, 6, 1, 0, 4, 3, 6]						FORM WM		WASTE MINIM	IZATION
WHO MUST COMPLETE THIS FORM? Form WM Part II must resulted in waste minit							onerators that	engaged in an activ	ity during 1987 that
reduction; an (2) reduction					volume volume	•	i hazardous v	waste generated as vaste subsequently	
			Mark 🖾 and	do not co	mplete	this form if <u>no</u> wa	ste minimizati	on results were achi	eved during 1987.
	INSTR	UCTIONS:						e 30 of the 1987 ore completing this	
			Make and o	complete a	photoc	opy of this form fo	or <u>each</u> hazard	lous waste minimize	d in 1967.
								"DK" if the information is ted is not applicable	
Sec. A EPA hazardou instruction Pa	waste code  C. Product or service description Page 31  Painting Refrigerators & Freezers  D. Product or service SIC code Page 31  Painting Refrigerators & Freezers								
E. Waste form code	F. UOM	G. Density		H. Source d	escription	:			I. Source code
Page 31  [H ₁ 8 ₁ 1]	Page 31 Page 32 Page 32 Page 32					spec paint :	solids &	liquids	Page 32
Sec. A. 1986 quantity		B. 1987 quantity Page 33	generated		C. Produ Page	ection ratio		D. Toxicity change code Page 35	
	1, 3, 9, 7, 0		10101917	1619	, <b>ag</b> e	_ 1].[ <u>2</u> 0		_	0
E. Waste minimization: recy Page 35	cling					ste minimization: sourc	e reduction		
Code Quantity recycled						Code Quantity prevented			
1. <u>[0]</u> 2	1. 0 2 1 1. 1 2 4 3. 5 0,0,0,0,0,6,9,9,5								
	A. Nerrative description of weste minimization project or activity and results achieved instruction Page 43  Installed new more efficient painting equipment								
					:		•	Pag	e 321 of 33

Sec. IV.	*		ions: Answer questions 1 through 4. Mark 🗵 next to the effects produced by the source reduction and/or recycling activity on this form in Sections I through III.						
1.	What effect did this site's source reduction and/or recycling activity have on the quantity of water effluent produced by hazardous waste generation processes during 1987?								
		a.	Increase in the quantity of water effluent						
		b.	Decrease in the quantity of water effluent						
	X	C.	No effect on the quantity of water effluent						
		d.	Don't know						
2.			did this site's source reduction and/or recycling activity have on the toxicity of water effluent produced us waste generation processes during 1987?						
		a.	Increase in the concentration of hazardous constituents						
		b.	Decrease in the concentration of hazardous constituents						
	$\Box$	C.	No effect on the concentration of hazardous constituents						
		d.	Don't know						
<b>3</b> .			did this site's source reduction and/or recycling activity have on the quantity of air emissions by hazardous waste generation processes during 1987?						
		a.	Increase in the quantity of air emissions						
	X	b.	Decrease in the quantity of air emissions						
		C.	No effect on the quantity of air emissions						
		d.	Don't know						
4.			did this site's source reduction and/or recycling activity have on the toxicity of the air emissions by hazardous waste generation processes during 1987?						
		a.	Increase in the concentration of hazardous constituents						
	X	b.	Decrease in the concentration of hazardous constituents						
		C.	No effect on the concentration of hazardous constituents						
		d.	Don't know						
	commen	ts:							